

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**List of Plants for TERPINOLENE**

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Abies alba</i>	Leaf	28	38	-0.1836873778914288	--
<i>Achillea millefolium</i>	Leaf	1	50	-0.1684008925639172	--
<i>Acinos alpinus</i>	Shoot	0.5	0.5	-0.7914037461704306	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
<i>Acinos alpinus</i>	Shoot	--	0.5	-0.7914037461704306	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
<i>Acorus calamus</i>	Rhizome	--	--		Pakistan Encyclopedia Planta Medica. 1986.
<i>Acorus calamus</i>	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
<i>Agathosma betulina</i>	Leaf Essent. Oil	--	--		--
<i>Ageratum conyzoides</i>	Shoot	--	20	-0.22817845236300732	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
<i>Aloysia citrodora</i>	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Alpinia galanga</i>	Rhizome	--	--		--
<i>Anethum graveolens</i>	Leaf	0.1	50	-0.1684008925639172	--
<i>Angelica archangelica</i>	Root	0	16	-1	--

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Angelica archangelica	Root Essent. Oil	--	--		--
Apium graveolens	Fruit Essent. Oil	--	2000	-0.6853536216871218	--
Apium graveolens	Leaf Essent. Oil	--	2000	-0.5940205732207128	--
Apium graveolens	Seed Essent. Oil	--	2000	-0.6238102957663303	--
Apium graveolens	Root Essent. Oil	--	33000	-0.6841134180353257	--
Artemisia capillaris	Essential Oil	--	--		--
Boswellia sacra	Essential Oil	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Boswellia sacra	Resin Essent. Oil	--	1000		Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384.
Brassica oleracea var. capitata l.	Shoot	--	3.6	-0.7018653661292504	--
Calamintha nepeta	Shoot	0.9	0.9	-0.7798504068102784	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
Callicarpa americana	Leaf	--	0.55	-0.23139395085103806	--
Canarium indicum	Essential Oil	600	1500	-0.3844043948569493	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Capsicum annuum</i>	Fruit	--	--		--
<i>Carica papaya</i>	Fruit	--	--		--
<i>Carum carvi</i>	Fruit	--	--		--
<i>Carum carvi</i>	Seed	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Chrysanthemum parthenium</i>	Shoot	--	--		Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
<i>Cinnamomum aromaticum</i>	Plant	--	--		--
<i>Cinnamomum camphora</i>	Leaf	24	24	-0.2015216107735257	--
<i>Cinnamomum verum</i>	Bark	11	44		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Cinnamomum verum</i>	Leaf	--	24	-0.2015216107735257	Mallavarupu, G. R. et al. 1995. Investigation of the essential oil of cinnamon leaf grown at Bangalore and Hyderabad. Flav. & Fragr. J., 10: 239-242.
<i>Cinnamomum verum</i>	Root Bark	--	--		--
<i>Citrus aurantiifolia</i>	Fruit	60	120	0.047285066012756526	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Citrus aurantium</i>	Leaf	1	10	-0.2193558436556226	--
<i>Citrus aurantium</i>	Pericarp	--	--		--
<i>Citrus aurantium</i>	Plant	--	--		--
<i>Citrus aurantium</i>	Hull Husk	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus limon	Essential Oil	14	120	-0.39476259711357375	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus limon	Leaf Essent. Oil	--	--		Jim Duke's personal files.
Citrus limon	Pericarp Essent. Oil	--	--		Jim Duke's personal files.
Citrus limon	Petiole	--	26		--
Citrus mitis	Fruit Juice	0.3	0.3		--
Citrus paradisi	Leaf	--	28	-0.19642611566435517	--
Citrus paradisi	Pericarp	1	11		--
Citrus reticulata	Fruit	2	3	-0.7430510373433167	--
Citrus sinensis	Fruit	1	2	-0.7498060467737104	--
Cleonia lusitanica	Leaf	1	1	-0.23082070765125634	Perez-Alonso, M., Velasco-Negueruela, A., and Lopez-Saez, A. 1991. The Essential Oil of Cleonia lusitanica. J. Ess. Oil Res., 3: 441-442.
Coriandrum sativum	Fruit	13	26	-0.5876858204442595	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Coriandrum sativum	Essential Oil	--	--		--
Coriandrum sativum	Seed Essent. Oil	--	5300	-0.303409676929149	--
Coridothymus capitatus	Shoot	22	22	-0.17041175556224597	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Crocus sativus	Silk Stigma Style	--	--		--
Cuminum cyminum	Seed Essent. Oil	--	400	-0.7791560503540546	--
Curcuma longa	Leaf	115	485	0.3857342005583795	--
Cymbopogon nardus	Plant	21	84	0.003530759574834291	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Daucus carota	Root	1520	1520	1	--
Daucus carota	Seed	10	10	-0.7835184536427809	--
Dictamnus albus	Shoot	--	--		Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of Dictamnus albus from Turkey. <i>Planta Med.</i> 60:481-2
Elsholtzia polystachya	Leaf	0	0	-0.23209458142854897	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379.
Elsholtzia polystachya	Leaf	--	0	-0.23209458142854897	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379.
Eucalyptus angulosa	Leaf	--	1.5	-0.23018377076261	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus behriana	Leaf	2.7	2.7	-0.2286551222298588	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus brassiana	Leaf	--	0.7	-0.23120286978444407	Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Chemical Constituents of the Leaf Essential Oil of Eucalyptus brassiana S. T. Blake. Journal of Essential Oil Res. 3: 45-7.
Eucalyptus bridgesiana	Leaf	--	2.7	-0.2286551222298588	Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Volatile Constituents of the Essential Oil of Eucalyptus bridgesiana Growing in India. Journal of Essential Oil Res. 3: 449-450.
Eucalyptus ceratocorys	Leaf	--	6	-0.22445133876479315	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus citriodora	Leaf	5	160	-0.028274777061727256	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Eucalyptus citriodora	Leaf Essent. Oil	--	3000	-0.49764555396661486	--
Eucalyptus cuprea	Leaf	40	40	-0.18113963033684355	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subjenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus desquamata	Leaf	0	15	-0.21298647476915944	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subjenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus dolichorhyncha	Leaf	--	6	-0.22445133876479315	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Eucalyptus erythrandra	Leaf	--	7	-0.22317746498750052	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Symphyomyrtus,Section Dumaria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus fasiculosa	Leaf	46	46	-0.17349638767308773	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus forrestiana	Leaf	--	55	-0.162031523677454	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Symphyomyrtus,Section Dumaria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus globulus	Leaf Essent. Oil	1000	5000	-0.3048955154584189	--
Eucalyptus grandis	Leaf Essent. Oil	--	3000	-0.49764555396661486	--
Eucalyptus incrassata	Leaf	--	14	-0.21426034854645207	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Symphyomyrtus,Section Dumaria,Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus intertexta	Leaf	120	120	-0.07922972815343268	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus lansdowneana	Leaf	30	30	-0.19387836810976988	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus largisparsa	Leaf	4.6	4.6	-0.2262347620530028	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Eucalyptus leucoxylon	Leaf	0	5.5	-0.22508827565343947	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Eucalyptus melanophloia	Leaf	0	0.8	-0.2310754824067149	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Eucalyptus ochrophloia	Leaf	0.5	0.5	-0.23145764453990264	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Eucalyptus odorata	Leaf	4.4	4.4	-0.2264895368084614	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Eucalyptus populnea	Leaf	1.8	1.8	-0.22980160862942228	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Eucalyptus porosa	Leaf	47	47	-0.1722225138957951	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus sparsa	Leaf	70	70	-0.14292341701806446	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Eucalyptus stoatei	Leaf	--	13	-0.2155342223237447	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7
Eucalyptus tetraptera	Leaf	--	29	-0.19515224188706254	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7
Eucalyptus viridis	Leaf	0	0.5	-0.23145764453990264	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
Ferula gummosa	Gum	--	--		--
Foeniculum vulgare	Fruit	10	60	-0.35801549981087066	--
Foeniculum vulgare	Plant	230	230	1.2922580043892404	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Foeniculum vulgare	Seed	10	60	-0.7380970940113153	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma hispida	Plant	4	4	-0.7026211553919638	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma reverchonii	Plant	222	222	1.2216428128925607	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Hyptis suaveolens</i>	Shoot	6	6	-0.6325453299683369	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. J. Ess. Oil Res. 5: 321.
<i>Hyptis suaveolens</i>	Shoot	--	6	-0.6325453299683369	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. J. Ess. Oil Res. 5: 321.
<i>Hyssopus officinalis</i>	Leaf	1	20	-0.20661710588269624	--
<i>Hyssopus officinalis</i>	Shoot	40	40	0.34948851564460626	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611.
<i>Hyssopus officinalis</i>	Shoot	--	47.5	0.5661136286474614	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611.
<i>Illicium verum</i>	Fruit	5	435	2.1751130365868003	--
<i>Juniperus communis</i>	Fruit	18	320	1.3982869520915144	--
<i>Juniperus communis</i>	Fruit Essent. Oil	--	--		--
<i>Juniperus communis</i>	Essential Oil	--	--		--
<i>Juniperus sabina</i>	Plant	--	--		--
<i>Juniperus virginiana</i>	Leaf	--	--		--
<i>Lantana camara</i>	Shoot	--	1	-0.7769620719702403	--
<i>Laurus nobilis</i>	Leaf	4	200	0.022680174029978174	--
<i>Lavandula latifolia</i>	Plant	13	28	-0.49077558090192425	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lavandula x hybrida	Shoot	10	17	-0.3148284975641494	Tucker, A.O., Maciarello, M.J., Angell, S., Espaillat, J.R., and French, E.C. 1993. The Essential Oil of Lavandula x hybrida Balb. ex Ging., a Distinct Hybrid from L. x heterophylla Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
Leonotis leonurus	Se	2	2		Pedro, L.G., Barroso, J.G., Marques, N.T., Ascensao, L., Pais, M.S.S. and Scheffer, J.J.C. 1991. Composition of the Essential Oil from Sepals of Leonotis leonurus R. Br. J. Ess. Oil Res. 3: 451-3
Lepechinia calycina	Plant	45	45	-0.3407182989714797	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lindera benzoin	Fruit	2	9	-0.7025209807609539	--
Lindera benzoin	Twig	0	2	-1	--
Litsea glaucescens	Shoot	30	35	0.20507177364270288	Tucker, et al, EB46(1):21-24.1992
Melaleuca alternifolia	Leaf	236	6125	7.570382304488845	--
Melaleuca alternifolia	Leaf Essent. Oil	--	33000	2.3936050236563244	--
Melaleuca alternifolia	Essential Oil	--	429000	2.8243865215973427	--
Melaleuca alternifolia	Root Essent. Oil	--	19200	-0.729853559357455	--
Melaleuca alternifolia	Resin, Exudate, Sap	--	--		--
Melaleuca cajuputi	Leaf	800	800	0.7870044404055597	--
Melaleuca linariifolia	Leaf	600	750	0.7233107515409279	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mentha aquatica	Shoot	1	1	-0.7769620719702403	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha aquatica	Shoot	--	2	-0.7480787235698596	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha aquatica	Shoot	--	2	-0.7480787235698596	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha aquatica	Shoot	--	2	-0.7480787235698596	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha aquatica	Shoot	--	1	-0.7769620719702403	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha longifolia	Shoot	0	20	-0.22817845236300732	--
Mentha pulegium	Plant	1	90	0.05649215319734414	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha pulegium	Essential Oil	100	4500	-0.36188656386428764	--
Mentha spicata	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha spicata	Essential Oil	--	--		--
Mentha x piperita	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Micromeria congesta</i>	Leaf	1	3	-0.22827296009667106	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria croatica</i>	Leaf	10	10	-0.2193558436556226	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Leaf	1	1	-0.23082070765125634	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot	12	12	-0.4592452395660528	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria fruticosa</i>	Shoot	--	12	-0.4592452395660528	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria myrtifolia</i>	Shoot	0.1	0.1	-0.8029570855305829	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Micromeria teneriffae</i>	Leaf	80	80	-0.1301846792451381	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria thymifolia</i>	Leaf	3	3	-0.22827296009667106	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria varia</i>	Shoot	3	3	-0.7191953751694788	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
<i>Micromeria varia</i>	Shoot	--	3	-0.7191953751694788	--
<i>Monarda didyma</i>	Flower	4	4	-1	Flavour and Fragrance Journal, 6: 80.
<i>Monarda didyma</i>	Leaf	10	15	-0.21298647476915944	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Monarda didyma	Plant	15	160	0.6743750787932923	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Murraya koenigii	Leaf	--	25	-0.20024773699623308	--
Myrciaria dubia	Fruit	--	--		--
Myristica fragrans	Seed	340	2720	1.6783192383826524	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Myristica fragrans	Seed Essent. Oil	14000	26000	1.7063760230495335	--
Myristica fragrans	Essential Oil	10000	17000	-0.26806226806153055	--
Myrrhis odorata	Essential Oil	--	100	-0.3949127159868581	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
Myrtus communis	Plant	0	1	-0.7291018522032187	--
Ocimum basilicum	Plant	1	22	-0.5437369745244341	--
Ocimum basilicum	Essential Oil	--	1000	-0.38815736668905965	--
Ocimum basilicum	Shoot Essent. Oil	--	400	-1	--
Ocimum basilicum	Leaf Essent. Oil	--	2600	-0.536195561668254	--
Ocimum gratissimum	Shoot	23	23	-0.1415284071618653	Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum kilimandscharicum	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Ocimum tenuiflorum	Leaf	55	55	-0.162031523677454	Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of Ocimum tenuiflorum L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461.
Origanum majorana	Plant	75	430	3.057637791806235	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum majorana	Leaf	50	600	0.5322296849470326	--
Origanum majorana	Essential Oil	--	20000	-0.2455444370688689	--
Origanum minutiflorum	Shoot	20	27	-0.025995013560342572	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of Origanum minutiflorum O. Schwarz and P.H. Davis. J. Ess. Oil Res. 3: 445-446.
Origanum onites	Shoot	60	60	0.9271554836522199	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Origanum onites	Shoot	--	60	0.9271554836522199	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Origanum sipyleum	Shoot	35	35	0.20507177364270288	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum sipyleum	Shoot	--	1.8	-0.7538553932499358	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Origanum sipyleum</i>	Shoot	--	35	0.20507177364270288	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
<i>Origanum sipyleum</i>	Shoot	--	170	4.1043238076940955	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
<i>Origanum syriacum</i>	Shoot	45	45	0.49390525764650967	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
<i>Origanum syriacum</i>	Shoot	--	45	0.49390525764650967	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
<i>Origanum syriacum</i>	Shoot	--	--		Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
<i>Origanum vulgare</i>	Plant	1	1	-0.7291018522032187	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
<i>Origanum vulgare</i>	Shoot	0	0	-0.8058454203706209	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. <i>Z. Lebensm Unters Forsch</i> 197: 20-23.
<i>Origanum vulgare</i>	Plant	15	15	-0.605525267084029	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
<i>Origanum vulgare</i>	Plant	1	1	-0.7291018522032187	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
<i>Origanum vulgare</i>	Plant	1	1	-0.7291018522032187	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Origanum vulgare</i>	Plant	2	16	-0.596698368146944	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Origanum vulgare</i>	Shoot Essent. Oil	--	5500	1	--
<i>Pastinaca sativa</i>	Root Essent. Oil	253000	666000	1.413966977392781	--
<i>Perilla frutescens</i>	Leaf Essent. Oil	--	1000	-0.6903955924748107	Kang, R., Helms, R., Stout, M.J., Jaber, H., Chen, Z., and Nakatsu, T. 1992. Antimicrobial Activity of the Volatile Constituents of <i>Perilla frutescens</i> and Its Synergistic Effects with Polygodial. <i>J. Agric. Food Chem.</i> , 40: 2328-2330.
<i>Petroselinum crispum</i>	Leaf	33	105	-0.09833783481282221	--
<i>Petroselinum crispum</i>	Seed	6	700	-0.1567036907285562	--
<i>Petroselinum crispum</i>	Fruit Essent. Oil	10000	50500	1.4139927352702726	--
<i>Picea mariana</i>	Twig	46	46	1	--
<i>Pimenta dioica</i>	Leaf	27	27	-0.1976999894416478	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pimenta dioica</i>	Leaf Essent. Oil	--	--		--
<i>Pimenta dioica</i>	Fruit	--	42	-0.47960566955795886	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pinus sylvestris</i>	Leaf Essent. Oil	--	26000	1.7189798888776386	--
<i>Pinus sylvestris</i>	Resin, Exudate, Sap	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pinus sylvestris</i>	Essential Oil	--	--		--
<i>Pinus sylvestris</i>	Flower	--	--		--
<i>Piper auritum</i>	Leaf	--	--		Tramil
<i>Piper cubeba</i>	Fruit Essent. Oil	--	--		--
<i>Piper nigrum</i>	Fruit	--	--		--
<i>Piper nigrum</i>	Seed Essent. Oil	--	--		--
<i>Piper nigrum</i>	Fruit Essent. Oil	--	1000	-0.7286391135831505	--
<i>Prunus armeniaca</i>	Essential Oil	--	--		--
<i>Pycnanthemum loomisii</i>	Shoot	33	84	1.6203558452613562	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum tenuifolium</i>	Shoot	1	20	-0.22817845236300732	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ribes nigrum</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ribes nigrum</i>	Bud	--	--		--
<i>Rosmarinus eriocalyx</i>	Shoot	11	35	0.20507177364270288	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the <i>Rosmarinus eriocalyx-tomentosus</i> Complex in Southeast Spain. <i>J. Ess. Oil Res.</i> 5: 243-246.

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Rosmarinus eriocalyx	Shoot	11	35	0.20507177364270288	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Plant	12	350	2.3514858768394373	--
Rosmarinus officinalis	Shoot	--	9	-0.5458952847671948	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.
Rosmarinus officinalis	Shoot	19	65	1.0715722256541234	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Shoot	25	65	1.0715722256541234	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Leaf Essent. Oil	--	3000	-0.49764555396661486	--
Rosmarinus officinalis	Resin, Exudate, Sap	--	--		--
Rosmarinus tomentosus	Shoot	16	40	0.34948851564460626	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus x lavandulaceus	Shoot	19	80	1.5048224516598334	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus x mendizabalii	Shoot	16	33	0.1473050768419415	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Salvia canariensis</i>	Leaf	0.1	0.1	-0.23196719405081967	Casnigueral,S., Iglesias,J., Vila,R., Virgili,A. and Ibanez,C.1994. The Essential Oil from Leaves of <i>Salvia canariensis</i> L. Flav. & Frag. J. 9:201-204. S. Canigueral, Facultat de Farmacia, Universitat de Barcelona, Ave.Diagonal 643,E-08028, Barcelone Spain
<i>Salvia dorisiana</i>	Shoot	8.6	10	-0.5170119363668141	Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of <i>Salvia dorisiana</i> Standley. J. Ess. Oil Res. 6: 97-8.
<i>Salvia officinalis</i>	Plant	--	112	0.2506839298132136	--
<i>Salvia officinalis</i>	Leaf Essent. Oil	--	2000	-0.5940205732207128	--
<i>Salvia sclarea</i>	Plant	1	12	-0.632005963895284	Flavour and Fragrance Journal, 6: 154.
<i>Sassafras albidum</i>	Leaf	0	0.6	-0.23133025716217334	--
<i>Satureja cuneifolia</i>	Shoot	25	25	-0.08376171036110393	Tumen, G. 1991. The Volatile Constituents of <i>Satureja cuneifolia</i> . J. Ess. Oil Res., 3: 365-366.
<i>Satureja douglasii</i>	Plant	39	39	-0.39367969259398955	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Satureja hortensis</i>	Plant	--	--		--
<i>Satureja montana</i>	Plant	0.6	25	-0.5172562777131792	--
<i>Satureja obovata</i>	Leaf	170	170	-0.015536039288800898	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . Phytochemistry 35(1): 83.
<i>Satureja obovata</i>	Leaf	--	190	0.009941436257051815	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . Phytochemistry 35(1): 83.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Satureja obovata	Leaf	--	--		Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja obovata	Leaf	--	215	0.041788280689367706	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja thymbra	Shoot	37	37	0.26283847044346426	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Sideritis germanicolpitana	Plant	10	11	-0.640832862832369	J. Essential Oil, 4: 533.
Sideritis mugronensis	Flower	5	10	1	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Sideritis mugronensis	Leaf	5	90	-0.11744594147221175	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Sideritis pauli	Shoot	10	10	-0.5170119363668141	Burzaco, A., Velasco-Negueruela, A. and Perez-Alonso, M.J. 1992. Essential Oil Analysis of Sideritis pauli Pau. FFJ7: 47-8. 1992.
Stevia rebaudiana	Flower	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Stevia rebaudiana	Leaf	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Tagetes minuta	Essential Oil	--	1200	-0.38665617795621554	--
Tanacetum parthenium	Shoot	--	--		Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
Tanacetum parthenium	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Teucrium gnaphalodes</i>	Shoot	10	10	-0.5170119363668141	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian <i>Teucrium</i> Species. <i>J. Ess. Oil Res.</i> 5: 397-402.
<i>Teucrium polium</i>	Shoot	5	5	-0.6614286783687175	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian <i>Teucrium</i> Species. <i>J. Ess. Oil Res.</i> 5: 397-402.
<i>Thymus broussonettii</i>	Shoot	30	30	0.06065503164079947	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjilali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Thymus capitatus</i>	Plant	1	30	-0.4731217830277543	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Thymus cilicicus</i>	Shoot	26	26	-0.05487836196072325	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of <i>Thymus cilicicus</i> Boiss. & Bal. <i>J. Ess. Oil Res.</i> 6: 97-8.
<i>Thymus funkii</i>	Shoot	5	5	-0.6614286783687175	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. &amp; Fragr. J.</i> 10(6): 379-383.
<i>Thymus funkii</i>	Shoot	--	--		Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. &amp; Fragr. J.</i> 10(6): 379-383.
<i>Thymus longicaulis</i>	Shoot	0	0	-0.8058454203706209	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus longicaulis</i>	Shoot	--	120	2.660156387675061	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus longicaulis</i>	Shoot	--	0	-0.8058454203706209	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus mastichina</i>	Plant	1	1	-0.7291018522032187	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus orospedanus</i>	Plant	--	--		J. Nat. Prod.
<i>Thymus riatarum</i>	Shoot	35	35	0.20507177364270288	Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and II Idrissi, A. 1991. Analysis of the Essential Oil of <i>Thymus riatarum</i> . <i>J. Ess. Oil Res.</i> 3: 43-4.
<i>Thymus saturejoides</i>	Shoot	150	150	3.5266568396864817	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Thymus zygis</i>	Shoot	10	10	-0.5170119363668141	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Trichostemma dichotomum</i>	Shoot	3	3	-0.7191953751694788	Tucker, A.O. and Maciarello, M.J. 1990. The Essential Oil of <i>Trichostemma dichotomum</i> . <i>J. Ess. Oil Res.</i> 2: 149-150.
<i>Umbellularia californica</i>	Plant	40	160	0.6743750787932923	--
<i>Valeriana officinalis</i>	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Valeriana officinalis</i>	Root Essent. Oil	--	--		--
<i>Valeriana officinalis</i>	Leaf Essent. Oil	3100	9200	0.09987956540879277	--
<i>Valeriana officinalis</i>	Leaf	7	235	0.06726575623522042	Father Nature's Farmacy: The aggregate of all these three-letter citations.
<i>Zingiber officinale</i>	Rhizome	1	90		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Zingiber officinale</i>	Rhizome Essent. Oil	--	1800		--